

FIG. 1

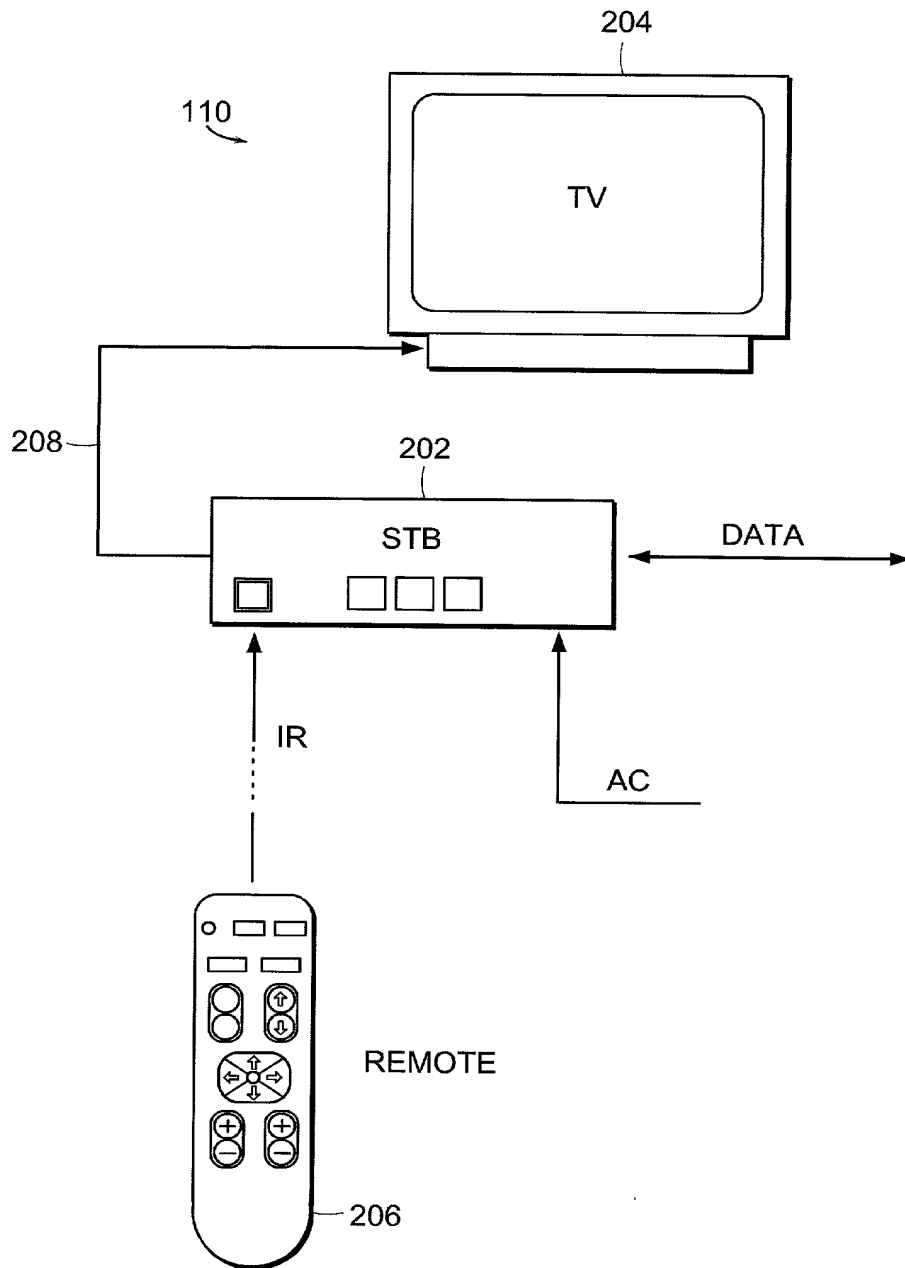


FIG. 2

202

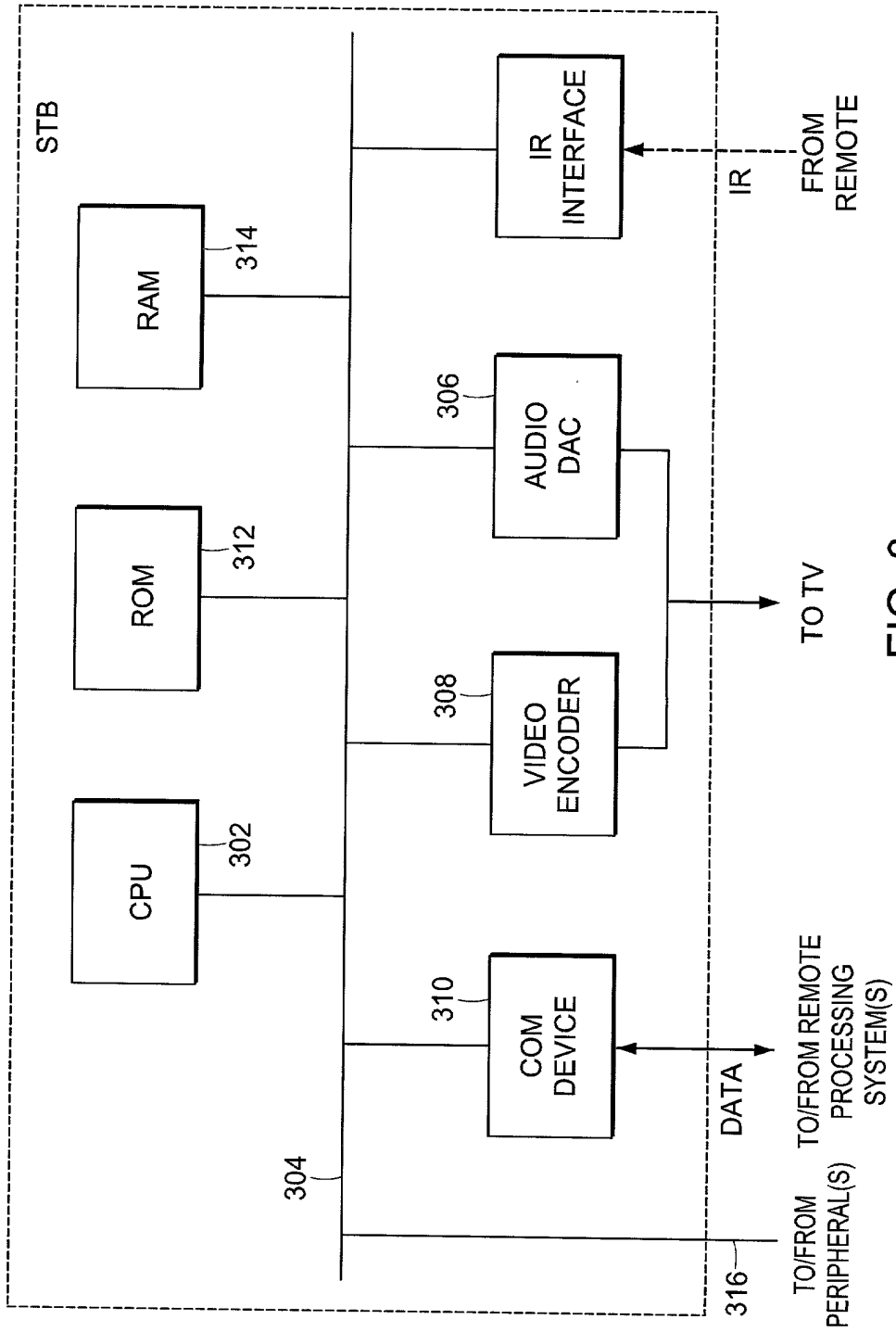


FIG. 3

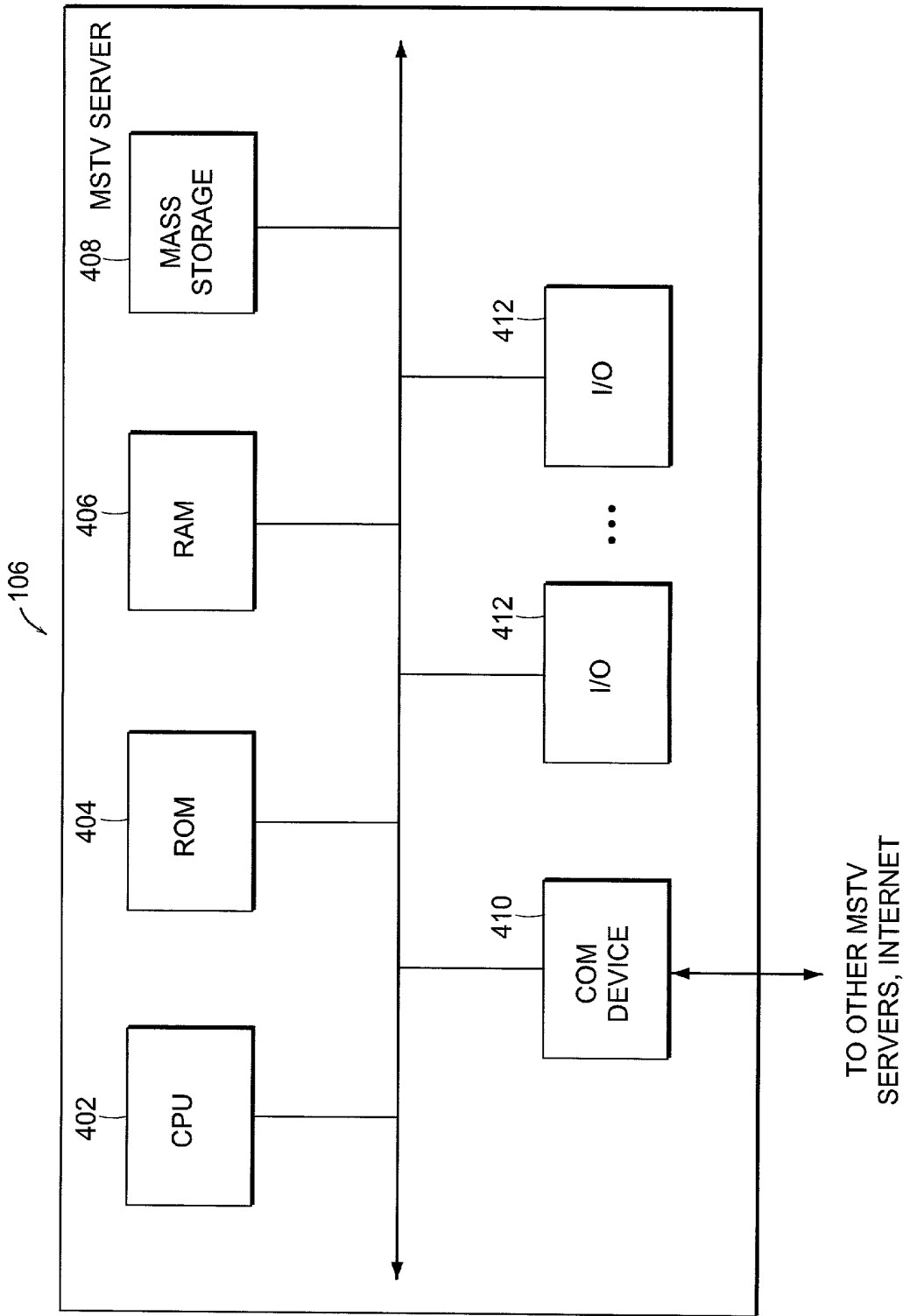


FIG. 4

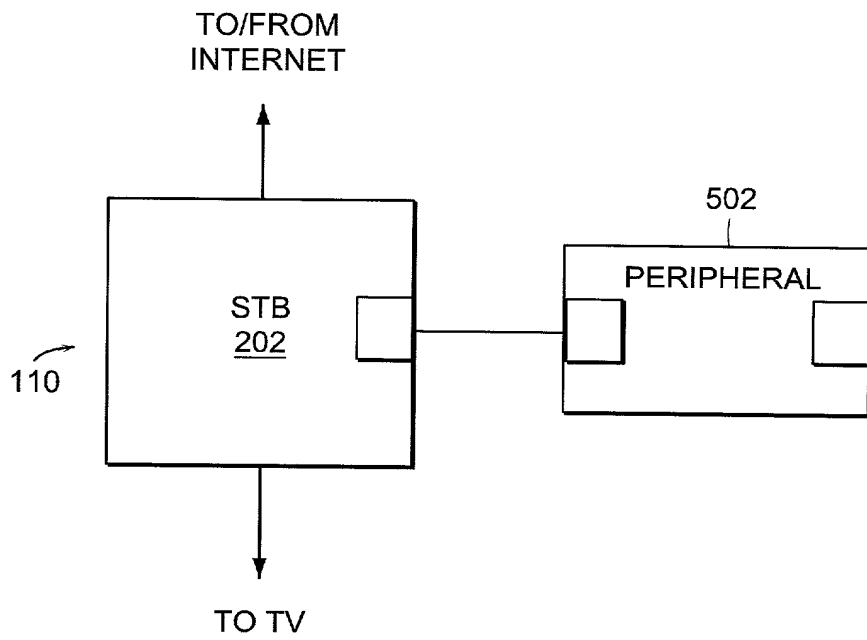


FIG. 5

602

DETECT DEVICE EVENT, 604



TRANSMIT REQUEST TO OBTAIN  
SOFTWARE OR DATA, 606



SELECT SOFTWARE OR DATA  
FROM FIRST SOURCE, 608



RECEIVE SELECTED SOFTWARE  
OR DATA FROM FIRST SOURCE, 610

FIG. 6A

FIG. 6A

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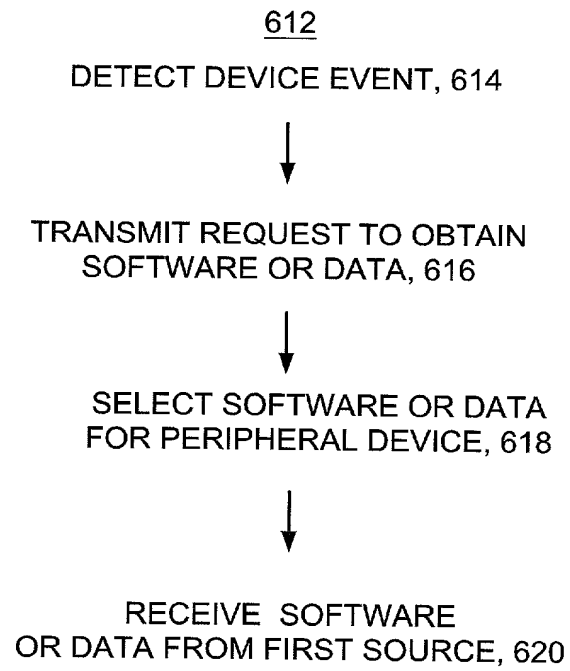


FIG. 6B

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622

DETECT DEVICE EVENT, 624



EXECUTE CORRESPONDING FUNCTION, 625

FIG. 6C



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626

RECEIVE PERIPHERAL DEVICE SIGNAL, 628



PROCESS SIGNAL TO GENERATE  
INTERMEDIARY SIGNAL, 630



TRANSMIT INTERMEDIARY SIGNAL  
TO DIGITAL PROCESSING SYSTEM, 632

FIG. 6D

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634

RECEIVE PERIPHERAL DEVICE SIGNAL, 636



PROCESS PERIPHERAL DEVICE SIGNAL, 638



EXECUTE CORRESPONDING FUNCTION, 640



OPEN COMMUNICATIONS CHANNEL BETWEEN  
CLIENT AND DATA/SOFTWARE SOURCE, 642

FIG. 6E

TOP SECRET

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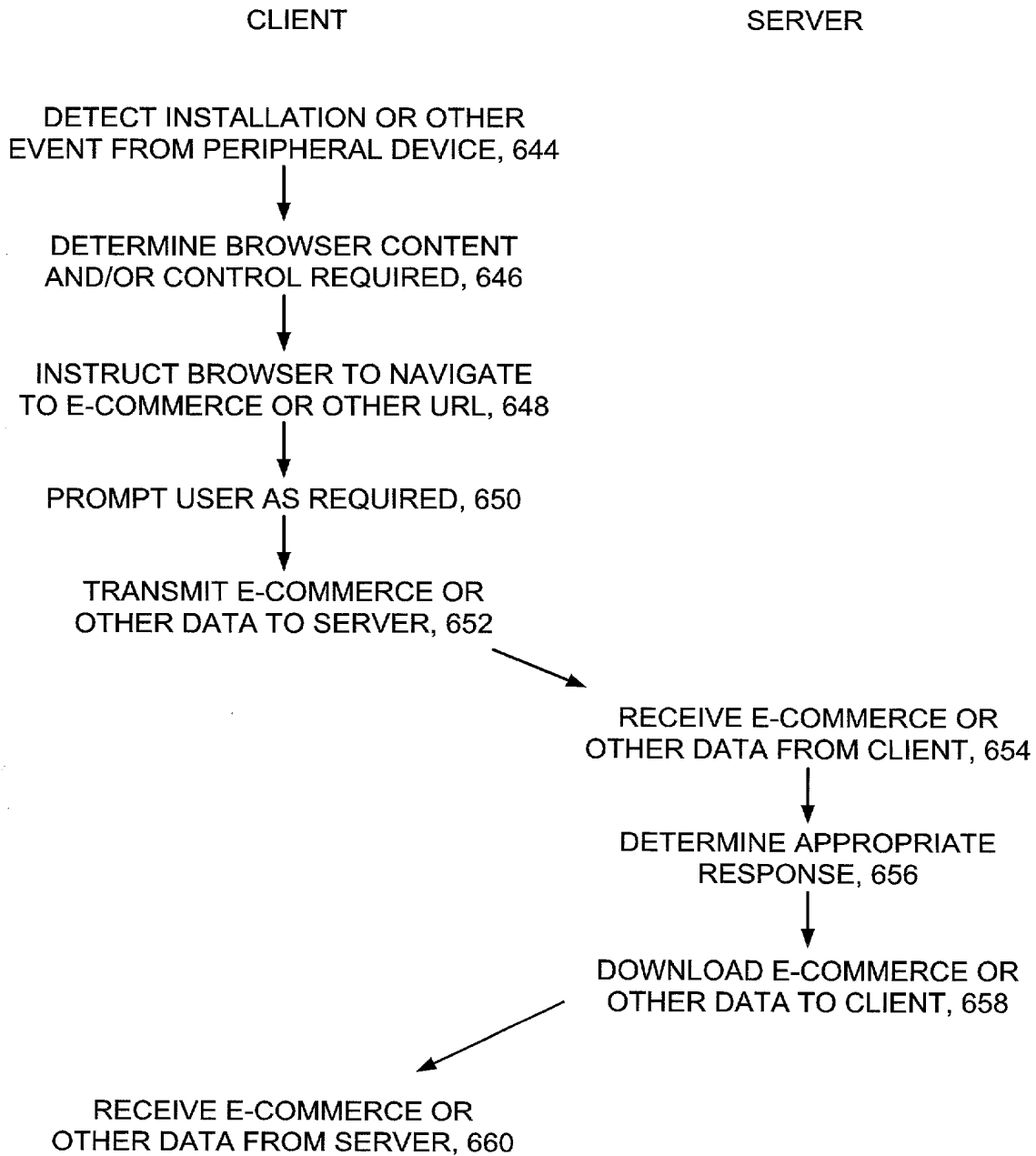


FIG. 6F

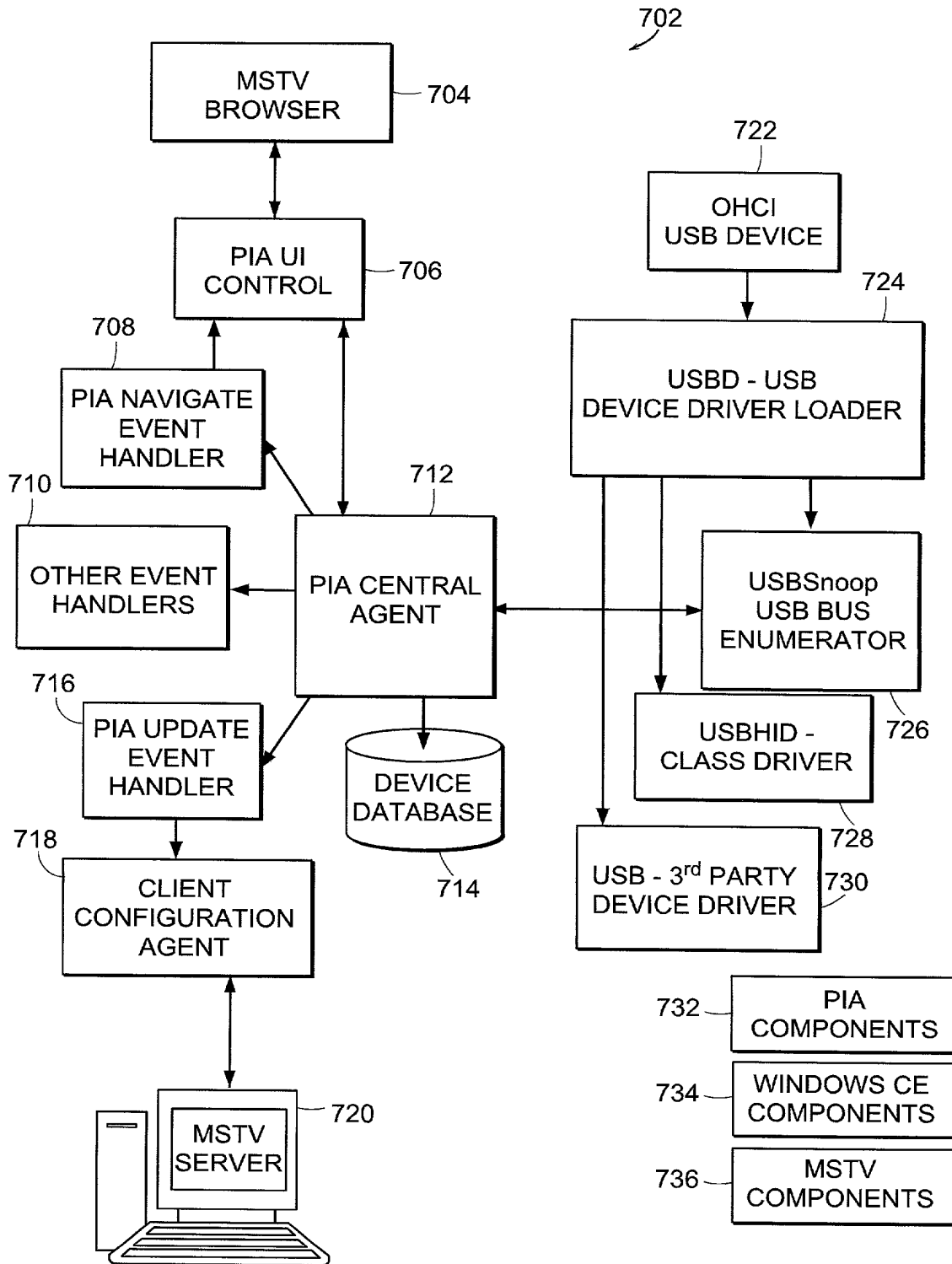


FIG. 7

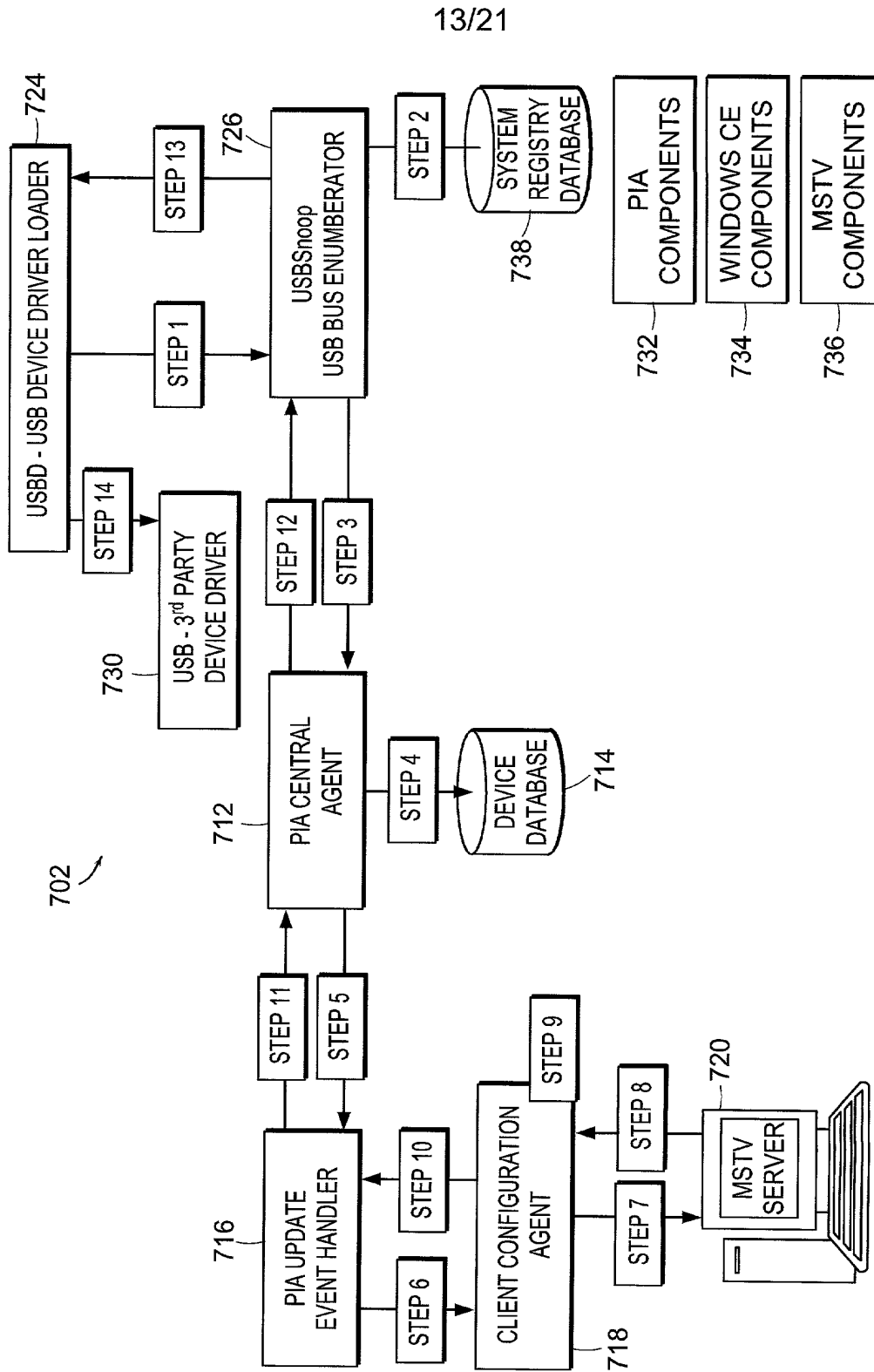


FIG. 8

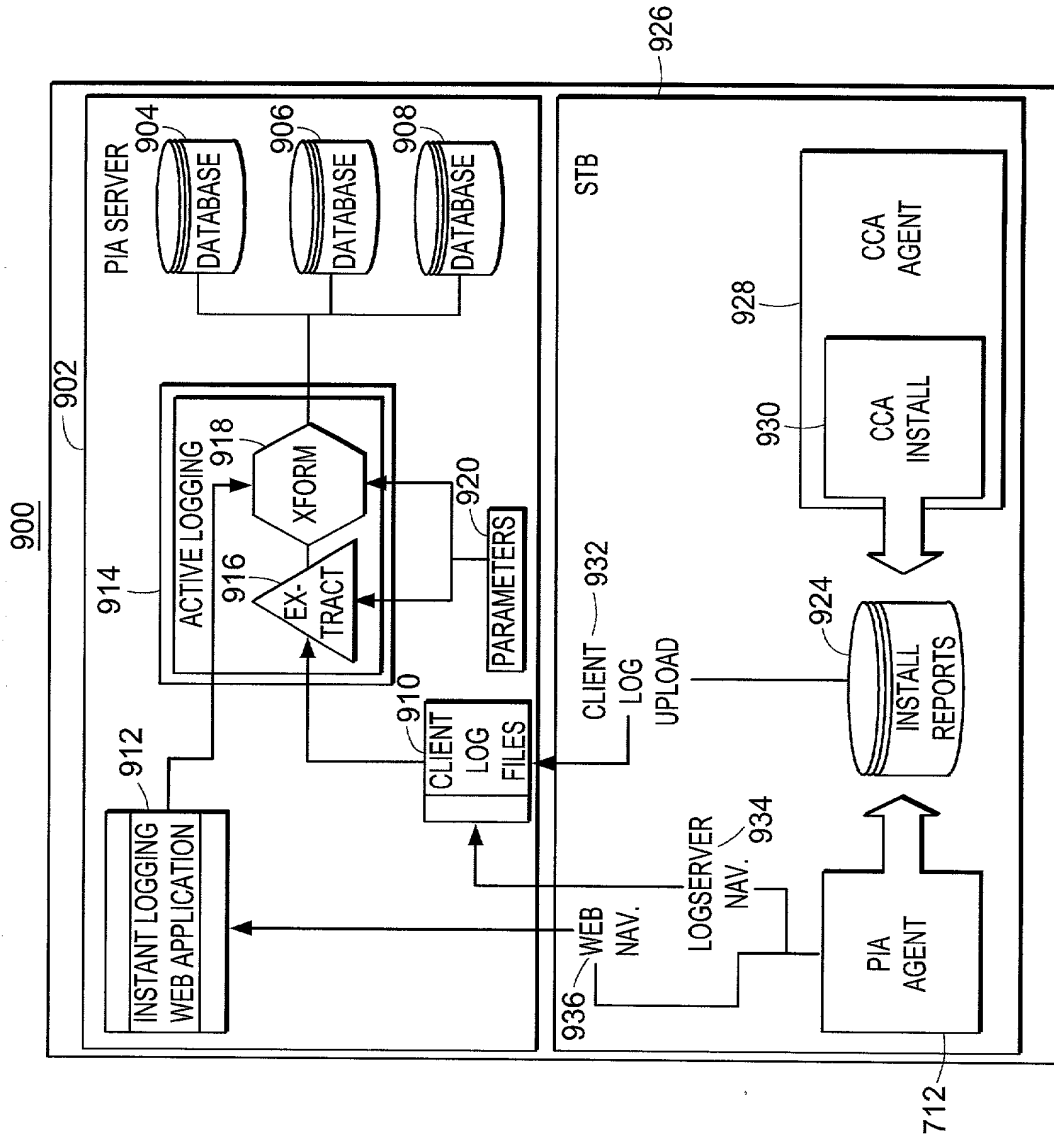


FIG. 9

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**NON-INTERACTIVE:**

STEP 1: O ADDS ENTRY TO HANDLE *ds*  
INSERTION INTO *s* INTO *PIADevice.xml*,  
AND UPDATES CCS



STEP 2: O PREPARES EXTRACTOR XSL STYLESHEET,  
DEFINES HOW STB ID IS TRANSFORMED INTO USER ID,  
ADDS OTHER DETAILS W NEEDS TO COMPLETE TRANSACTION



STEP 3: CLIENT ASSEMBLES DATA AND MESSAGE  
STRUCTURE, SENDS MESSAGE



STEP 4: S RECEIVES MESSAGE AND CREATES USER RECORD



STEP 5: S FORWARDS RECORD TO *E*;  
*E* ENTERS TRANSACTION IN ITS PROCESSOR

**INTERACTIVE:**

STEP 1: O ADDS ENTRY TO HANDLE *ds*  
INSERTION INTO *s* INTO *PIADevice.xml*,  
AND UPDATES CCS



STEP 2: O PREPARES TRANSFORMER XSL STYLESHEET  
(W/ URL OF WEBSITE WHERE APPROPRIATE)



STEP 3: *PIADEVICE.xml* CONTAINS, FOR *d*'s ACTIVATION ON *s*,  
NAVIGATE DIRECTIVE TO DIRECT PACKAGING OF ARGUMENTS;  
REQUEST IN HTTP TO WEB SERVER



STEP 4: WEB SERVER CREATES CUSTOMER RECORD, USES XSL TRANSFORMATION  
STYLESHEET TO PREPARE RECORD, AND WHERE APPROPRIATE, *w* CONNECTS INTERACTIVE  
APPLICATION ON *e* TO *s*, SENDING *e* THE INITIAL DATA IT TRANSFORMED

FIG. 10

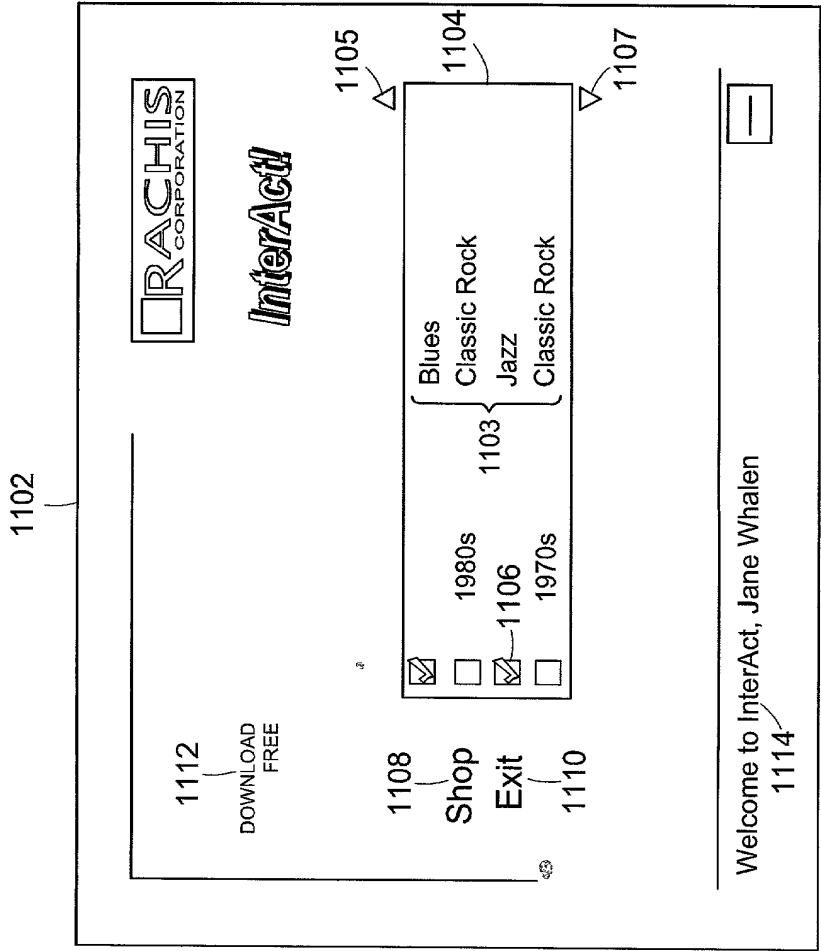


FIG. 11



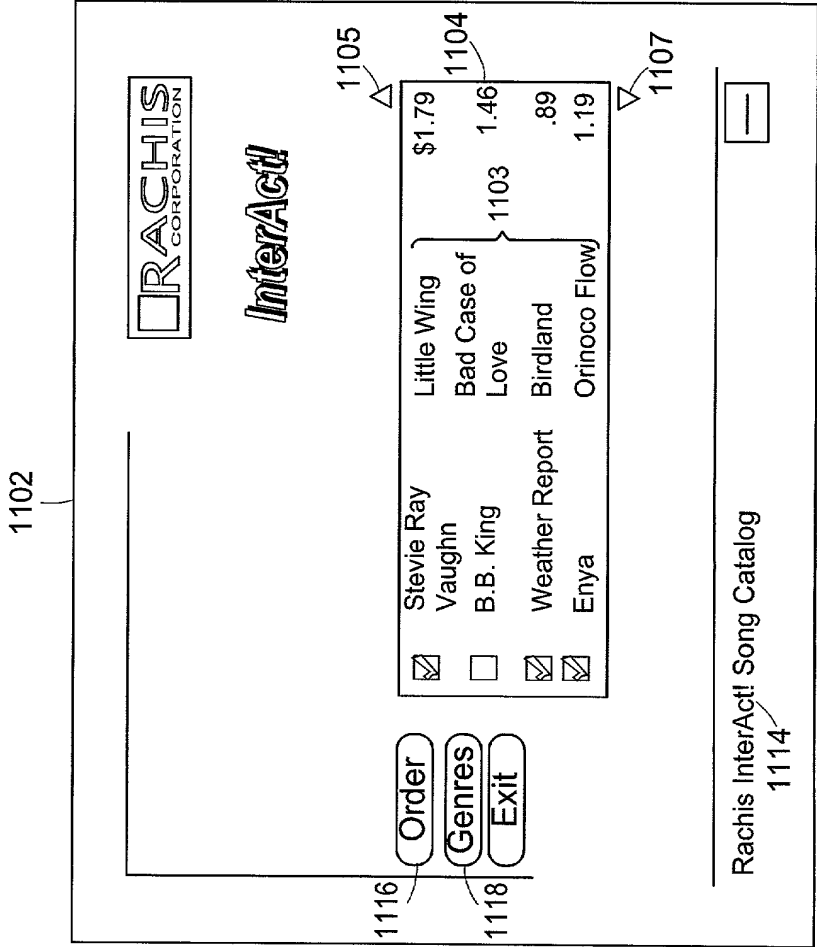


FIG. 12

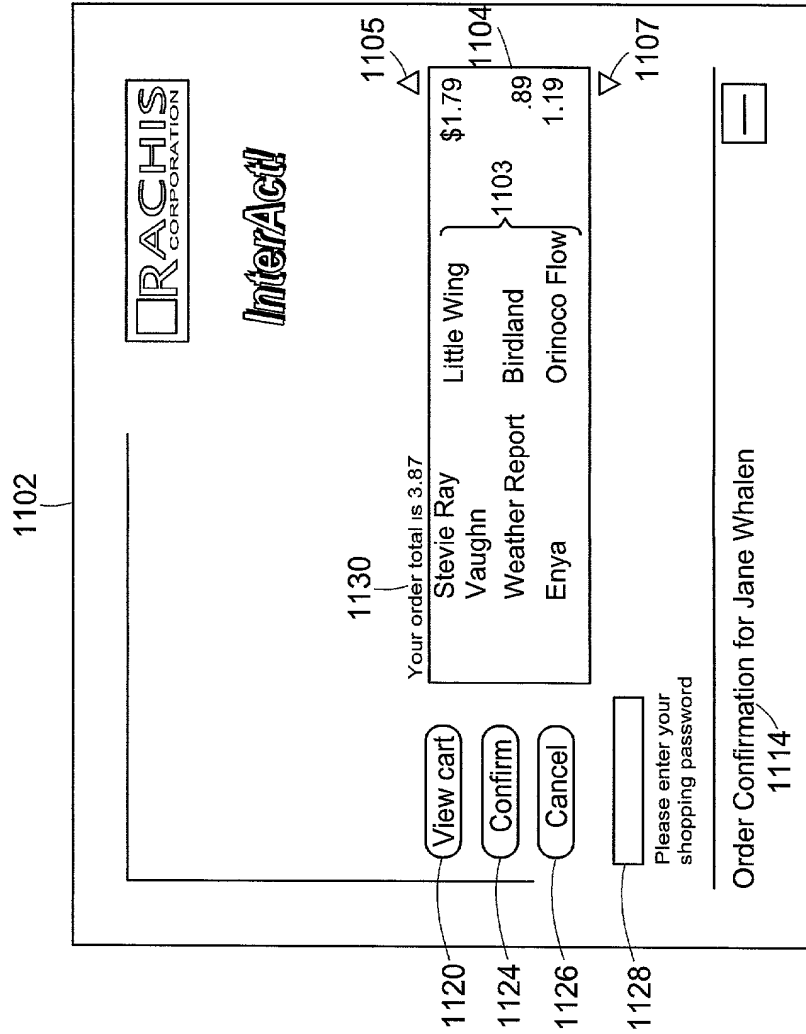


FIG. 13

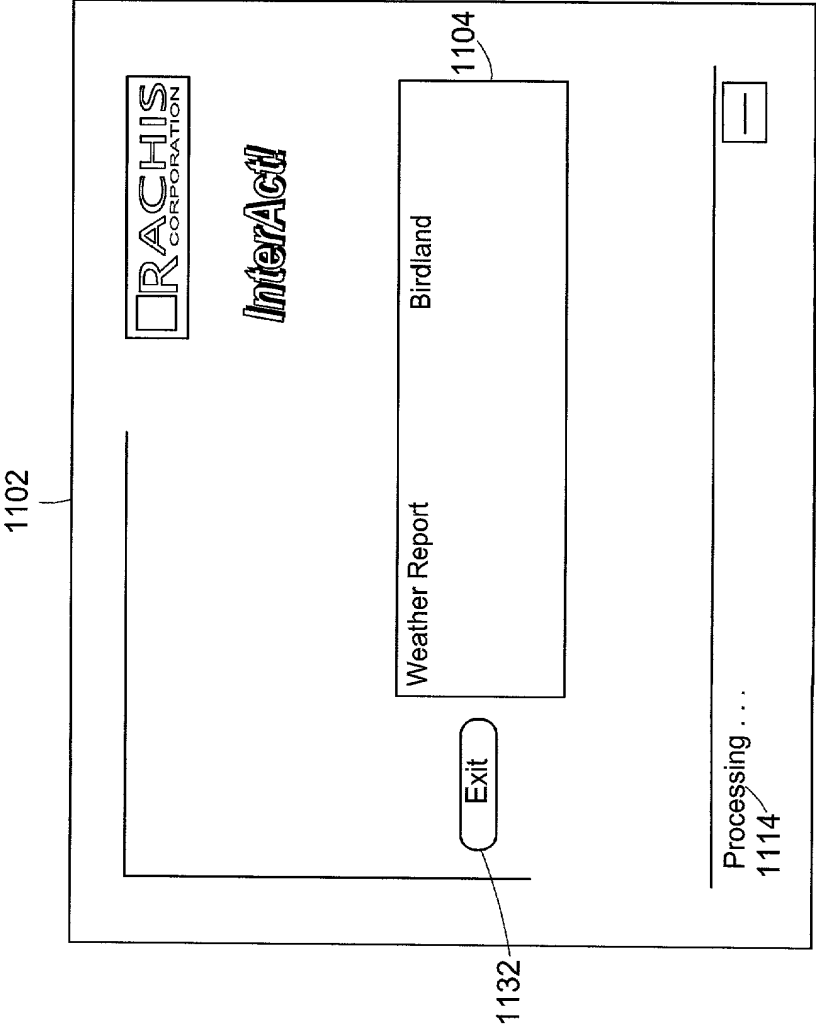


FIG. 14

1500

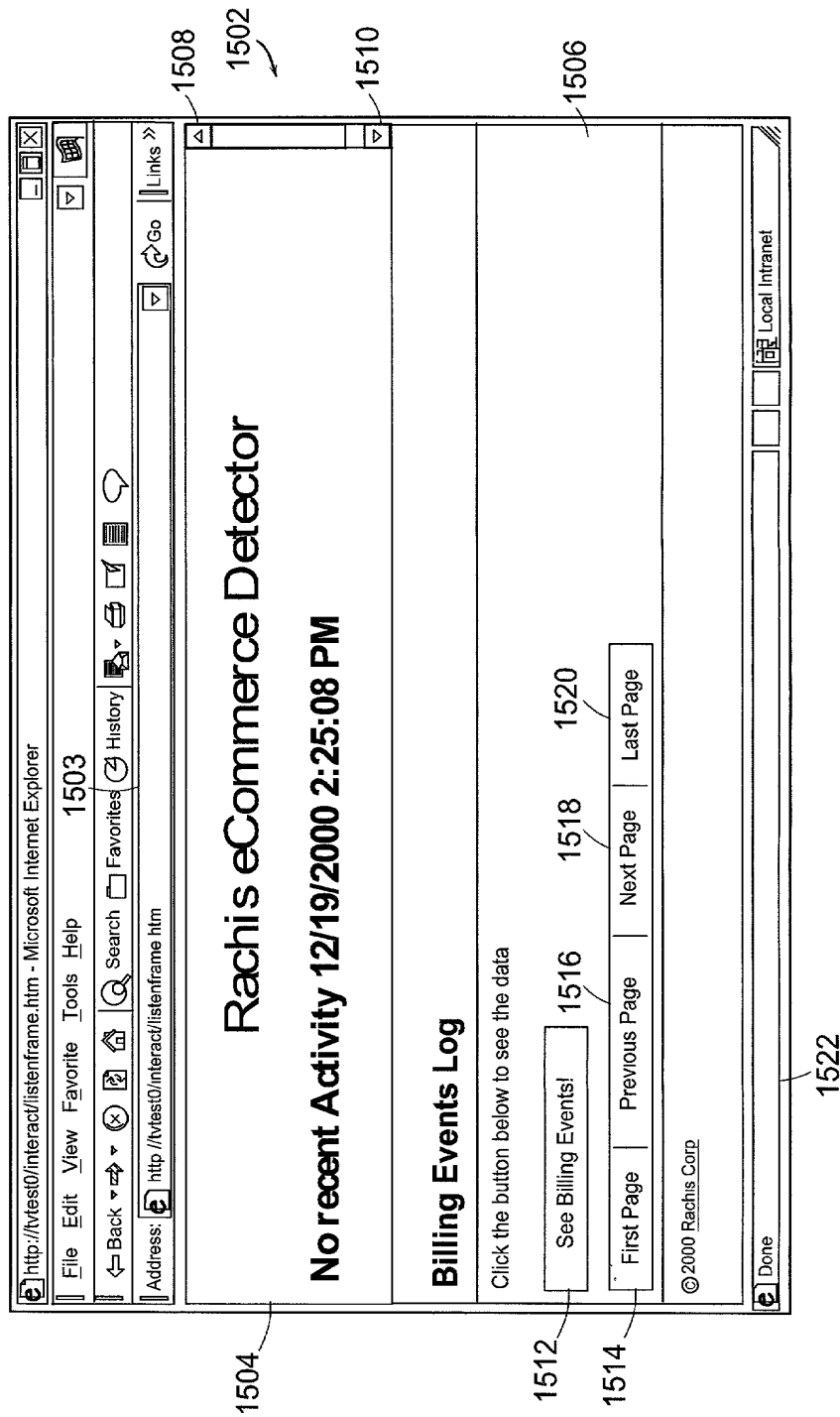


FIG. 15